

DECLARATION FOR PATENT APPLICATION

As a below named inventor I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first an joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

INTEGRATED CIRCUITS USING OPTICAL WAVEGUIDE INTERCONNECTS FORMED THROUGH A SEMICONDUCTOR WAFER AND METHODS FOR FORMING SAME .

The specification of which was filed on February 26, 1998 as application serial no. 09/031,961.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 3 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, §119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such applications have been filed.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

No such applications have been filed.

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application.

No such applications have been filed.

09/031,961-071800

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Joseph E. Geusic

Citizenship: United States of America

Residence: Berkeley Heights, NJ

Post Office Address: 261 Lorraine Drive
Berkeley Heights, NJ 07922

Signature: _____

Joseph E. Geusic
Joseph E. Geusic

Date: _____

4/22/98

Full Name of joint inventor number 2 : Kie Y. Ahn

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Residence: Chappaqua, NY

Post Office Address: 639 Quaker St.
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Signature: _____

Kie Y. Ahn

Date: _____

Full Name of joint inventor number 3 : Leonard Forbes

Citizenship: United States of America

Residence: Corvallis, OR

Post Office Address: 965 NW Highland Terrace
Corvallis, OR 97330

Signature: _____

Leonard Forbes

Date: _____

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

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Full Name of inventor:

Citizenship:

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Post Office Address:

Signature: _____

Date: _____

00313048-071800

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Leonard Forbes

Date: 11 APR 98

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

09615648-074300

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) it refutes, or is inconsistent with, a position the applicant takes in:
 - (i) opposing an argument of unpatentability relied on by the Office, or
 - (ii) asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

09618643-071888

S/N 09/031,961

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joseph E. Geusic et al. Examiner: Unknown
Serial No.: 09/031,961 Group Art Unit: Unknown
Filed: February 26, 1998 Docket: 303.382US1
Title: INTEGRATED CIRCUITS USING OPTICAL WAVEGUIDE INTERCONNECTS FORMED THROUGH A SEMICONDUCTOR WAFER AND METHODS FOR FORMING SAME

**POWER OF ATTORNEY BY ASSIGNEE AND
CERTIFICATE BY ASSIGNEE UNDER 37 CFR § 3.73(b)**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Micron Technology, Inc., assignee of the entire right, title and interest in the above-identified application by assignment attached hereto, hereby appoints the attorneys and agents of the firm of SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A., listed as follows:

Anglin, J. Michael	Reg. No. 24,916	Forrest, Bradley A.	Reg. No. 30,837	Lundberg, Steven W.	Reg. No. 30,568
Arora, Suneel	Reg. No. P-42,267	Hale, Jeffrey D.	Reg. No. 40,012	Madrid, Andres N.	Reg. No. 40,710
Bernkopf, Paul A.	Reg. No. P-41,615	Harris, Robert J.	Reg. No. 37,346	McCrackin, Ann M.	Reg. No. P-42,858
Bianchi, Timothy E.	Reg. No. 39,610	Hofmann, Rudolph P., Jr.	Reg. No. 38,187	Provence, David L.	Reg. No. P-43,022
Billion, Richard E.	Reg. No. 32,836	Holloway, Sheryl S.	Reg. No. 37,850	Schwegman, Micheal L.	Reg. No. 25,816
Brennan, Thomas F.	Reg. No. 35,075	Huebsch, Joseph C.	Reg. No. P-42,673	Simboli, Paul B.	Reg. No. 38,616
Brooks, Edward J., III	Reg. No. 40,925	Klima-Silberg, Catherine I.	Reg. No. 40,052	Slifer, Russell D.	Reg. No. 39,838
Clark, Barbara J.	Reg. No. 38,107	Kluth, Daniel J.	Reg. No. 32,146	Taylor, Michael W.	Reg. No. P-43,182
Drake, Eduardo E.	Reg. No. 40,594	Leffert, Thomas W.	Reg. No. 40,697	Terry, Kathleen R.	Reg. No. 31,884
Dryja, Michael A.	Reg. No. 39,662	Lemaire, Charles A.	Reg. No. 36,198	Viksnsins, Ann S.	Reg. No. 37,748
Embretson, Janet E.	Reg. No. 39,665	Litman, Mark A.	Reg. No. 26,390	Woessner, Warren D.	Reg. No. 30,440
Fogg, David N.	Reg. No. 35,138				

and also attorneys Michael L. Lynch (Reg. No. 30,871) and Lia M. Pappas (Reg. No. 34,095) of Micron Technology, Inc., as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

The assignee certifies that the above identified assignment has been reviewed and to the best of the assignee's knowledge and belief, title is in the assignee.

Please direct all correspondence regarding this application to the following:

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Dated: Mar 22, 1998

MICRON TECHNOLOGY, INC.

By: [Signature]

Name: Michael L. Lynch

Title: Chief Patent Counsel